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Education

Sep. 2008 PhD thesis in Astrophysics (*'The evolution of fast rotating massive stars at low or zero metallicity'*) under the supervision of Prof. G. Meynet, Geneva Observatory
Jan. 2006 MAS in Astronomy, Geneva Observatory
May 2004 Master's thesis in Physics (*'Rotating Primordial Stars'*), University of Geneva
Sep. 1988 Midwife diploma, Le Bon Secours, Geneva
June 1985 Maturité fédérale (greek-latin), Collège Calvin, Geneva

Prizes and awards

2014 MERAC Funding and travel award for the project *Stellar populations, from theory to observation*
2008 Plantamour-Prévost Prize, University of Geneva

Positions

since Apr. 2009 Scientific collaborator at the Geneva Observatory:
50% research in the stellar evolution group (see page 2)
50% coordination of the public outreach actions (see page 5)
Sep. 2008 – Postdoctoral researcher in the stellar evolution group of the Geneva Observatory
1988 - 1999 Midwife position at Hôpital de zone, Morges (childbirth classes, prenatal care, labour and delivery unit, postnatal care)

Membership

since 2014 Foundation board of the St Luc observatory ([OFXB](#))
since 2012 International Astronomical Union (commissions 35 and 55)
since 2009 Communication cell of the Geneva University Faculty of Sciences
2007-2014 Geneva permanent college of experts for the formation of physics lab assistants
since 2005 IAU Working Group on Massive Stars
since 2004 Swiss Society of Astronomy and Astrophysics
European Astronomical Society
1988-2012 Swiss Federation of Midwives

Service

- 2019 - ad interim secretary for the Swiss Society of Astrophysics and Astronomy ([SSAA](#))
since 2013 - ObsGE theses committee
2008-2009 - Member of the swiss steering committee for IYA 2009
- Webmaster for the [swiss website](#) and the [romand website](#)
since 2006 - Webmaster for the [Swiss Astronomy Network for Stellar Evolution](#)
- Webmaster for the [Stellar evolution group](#), Geneva Observatory
- Secretary and webmaster for the female vocal consort [Volubilis](#)

Skills

- **computing:**

- operating systems: Mac OS X, Linux, Solaris (Unix)
- programming: fortran, python, HTML, css, bash, SuperMongo
- softwares: Illustrator, InDesign, Photoshop, Office, LaTeX, LilyPond

- **Languages:**

- french (mother tongue)
- english (fluent)
- spanish (advanced)
- german (basics)
- greek (basics)

- **Hobbies:**

- choir singing (in the female vocal consort [Volubilis](#))
- cello playing
- biking

Scientific activities

Scientific research and work

My domain is massive stars' evolution. The topics I'm mainly interested in are:

- the effects of rotation on stellar evolution and the evolution of fast rotators (Be stars)
- the evolution of supernovae progenitors
- stellar evolution at low metallicity
- the evolution of stellar populations
- stellar nucleosynthesis and the chemical evolution of the Universe

A large part of my work consists in participating in our group's task of providing stellar models to the astronomical community. I'm in charge of maintaining the Geneva stellar evolution code and managing its various developments and analysis tools.

Teaching and supervising

since 2019	teaching of the astronomical part of the lecture " <i>Evolution</i> " at UniGE
since 2018	co-supervisor for the thesis of Sébastien Martinet
2014-2018	co-supervisor for the thesis of Arthur Choplin
2012-2018	occasional replacement of Prof. Georges Meynet for the astronomical part of the lecture " <i>Evolution</i> " (UniGE)
since 2008	occasional replacement of Prof. Georges Meynet for the lecture " <i>Physique cosmique</i> " (UniGE)
Oct.-Nov. 2006	Teaching at Ecole Romande d'Astronomie, Lausanne
since 2004	Tutor for 3rd year semester projects and master theses
1988-1999	Supervision of many midwife students in delivery unit and postnatal care

Invited talks, seminars and lectures

Invited review	<i>Star cluster formation history in the Magellanic Clouds</i> , Symposium S9 during EWASS, Prague (Czech Republic), June 2017 <i>First stars V</i> , Heidelberg (Germany), August 2016 <i>The B[e] Phenomenon. Forty Years of Studies</i> , Prague (Czech Republic), July 2016 <i>Massive stars: from α to Ω</i> , Rhodes (Greece), June 2013 VIIIth Tours Symposium, Lenzkirch-Saig (Germany), September 2012 IAU Symposium 272, Paris (France), July 2010
Invited talk	Conference <i>Stars and their Variability, Observed from Space</i> , Vienna (Austria), August 2019 Special Session <i>Mass loss of cool evolved stars: a multi-technique approach</i> during EWASS, Lyon (France), June 2019 Workshop <i>Stellar Winds in Wind-fed Systems</i> , Santander (Spain), October 2018 IAUS 344: <i>Dwarf galaxies: from the deep Universe to the present</i> , Vienna (Austria), August 2018 Meeting <i>Evolution and explosion of massive stars</i> , Dublin (Ireland), May 2017 GREAT workshop <i>Massive stars and the Gaia-ESO Survey</i> , Brussels (Belgium), May 2015 ESTER workshop, Toulouse (France), June 2014 GREAT workshop <i>Young Clusters in the Gaia-ESO Survey</i> , Palermo (Italy), May 2014 Betelgeuse workshop, Paris (France), November 2012 <i>Mapping oxygen in the Universe</i> , Tenerife (Spain), May 2012 CHARA workshop, Nice (France), March 2009
Seminars	Trinity College Dublin (Republic of Ireland), February 2019 Basel University (Switzerland), May 2009 GRAAL, Montpellier University (France), November 2008
Lectures	RED'14, Le Teich, February 2014 Formation continue des enseignants en physique genevois, Geneva, January 2014 RED'12, Le Teich, February 2012 Formation continue des enseignants en physique genevois, Geneva, January 2009 Formation continue de la Commission Romande de Physique, Sion, September 2009
<u>Service</u>	
2019-2020	Member of the SOC for the IAUS 361 " <i>Massive stars near & far</i> " to be held in Cavan, Ireland, May 18-22 2020
2019	Member of the SOC+LOC for the conference " <i>CEMP stars as probe of the first-stars nucleosynthesis, the IMF and Galactic assembly</i> ", held in Geneva, Sep. 9-13 2019
2016-2018	Member of the SOC for the workshop " <i>A revolution in stellar physics with Gaia and large surveys</i> ", Warsaw, Poland, Sep. 3-7 2018
2015-2017	Member of the SOC for the conference " <i>AGB-supernovae mass transition</i> " Rome, Italy, Mar. 27-31 2017
2014-2016	Member of the SOC for the IAU Symposium 329 " <i>The lives and death-throes of massive stars</i> "

- Auckland, New Zealand, Nov. 28 - Dec. 2 2016
- 2013-2014 Co-chair of the LOC for the IAU Symposium 307 '*New windows on massive stars*', Geneva
June 23-27 2014, webmaster for the [website](#)
- 2010 Member of the LOC for the 1st SCfA Summerschool '*Stars and Supernovae in Galaxies*',
St-Luc VS, September 13-17, webmaster for the [website](#)
- 2009 Member of the LOC for the IAU Symposium 268 '*Light elements in the Universe*', Geneva
November 9-13, webmaster for the [website](#)

I'm a regular referee for various journals (*A&A*, *ApJ*, *MNRAS*, *Nature Astronomy*) and for national science funds like FNRS Belgium, NWO Netherlands, ARC Belgium.

Publications

I'm author or co-author of 159 articles, of which 66 in refereed journals (*Astronomy & Astrophysics*, *Monthly Notices of the Royal Astronomical Society*, *Astrophysical Journal*, *Astronomische Nachrichten*, *Physics Review D*, ...). These papers gather nearly 5'500 citations and grant me an h-index of 37. A [complete list](#) of publications can be found at the end of this resumé or in [ADS](#).

Outreach activities

Projects

- Stellarium Gornergrat** Coordination of the ObsGE participation, responsible for the conception of the web interface. Currently in beta-tester mode.
- Astronomy Events** Conception of the web interface
- Ramène ta science** Conception of the astronomy kit, participation for the ObsGE
- L'Oreille des Kids** Organisation and coordination of the participation of ObsGE to the project
- Nuit de la Science** Participation in 2006 and 2008
coordination of the ObsGE stand in 2010, 2012, 2014, 2016, and 2018.

In the media

- Internet
- page sur Avisdexperts.ch
 - Libradio, direct from *Féerie d'une nuit* August 11 2018 (*Café astro*)
 - regularly answering to questions on RTS Découverte
- Radio
- RTS La Première, *CQFD* January 20 2020 ([about Betelgeuse and supernovae](#))
 - RTS La Première, *Les échos de Vacarme* November 3 2019 (*'L'espace fait-il toujours rêver ?'*)
 - RTS La Première, *Premier rendez-vous* August 26 2019
 - RTS La Première, *CQFD* July 18 2018 ([about heat in the Universe](#))
 - RTS La Première, *Le 12:30* December 13 2017 ([about the Geminids](#))
 - RTS La Première, *La Matinale* October 4 2017 ([about the Stellarium Gornergrat](#))
 - RTS La Première, *CQFD* September 13 2017 ([about solar eruptions](#))
 - RTS La Première, *Deux heures avant la nuit* July 29 2016
 - RTS La Première, *CQFD la 1000e*, June 23 2016
 - RTS La Première, *Les Audacieux*, July 29 2015
 - RTS La Première, *Motus et Bouche cousue*, July 16 2013
 - RTS La Première, special emission of *Impatience*, June 30 2011
- Television
- RTS1, *Le 19:30* August 21 2017 ([about the eclipse in the USA](#))
 - RTS1, *Le 12:45* February 2 2017 ([about the prediction of a nova in 2022](#))
- Press
- Ère magazine, ed. Dec. 2017, section [Regard genevois](#)
 - *Scanner* chronicles in [Le Temps](#) between 2012 and 2015
 - 2012: Nov. 7
 - 2013: Feb. 6, Apr. 17, June 24, Oct. 2, Dec. 11
 - 2014: Mar. 5, May 7, Oct. 10, Dec. 17
 - 2015: Mar. 25
 - regularly answering to kids questions in [Migros Magazine](#)
 - *Terre & Nature*, special Geneva edition, August 15 2013

Public outreach conferences

- "Formation des premières étoiles de l'Univers" given in Geneva (Apr. 2005)
- "Du nuage au nuage, le grand cycle des étoiles" given in Geneva (Jul. 2006), Yverdon VD (Feb. 2009), Malvilliers NE (Sept. 2009), Sion VS (May 2010), Signal-de-Bougy VD (Aug. 2010), Fribourg (Jan. 2014)
- "La lumière dans tous ses états" given in Geneva (Apr. 2009), Onex GE (Feb. 2011), Blonay VD (May 2011), Fort-l'Ecluse (Jul. 2011), Monthey VS (Jan. 2013), Signal-de-Bougy VD (Aug. 2013), Ferney-Voltaire (Feb. 2015)
- "Vol de Nuit, de la Terre aux confins de l'Univers" given in Grignon (Sept. 2009), Annemasse (Nov. 2009), Reignier-Esery (Nov. 2010), Chillon (Sep. 2011),

"Dernières nouvelles des premières étoiles"	Neuchâtel (Jul. 2012), Sion (Sept. 2012) given in Monthey VS (Jan. 2010)
"Où sommes-nous dans l'Univers ?"	given in Geneva (Nov. 2010, Sep. 2011, Mar. 2014, Nov.2017), Yverdon VD (Feb. 2015)
"Dürrenmatt et les astres"	given in Neuchâtel (Dec. 2010)
"Du Big bang à la Vie"	given in St Luc (Jul. 2012), Morges (Nov. 2012), Yverdon (Apr. 2013), Malvilliers NE (May 2013) Neuchâtel (July 2013), Ferney-Voltaire (Sep. 2015)
"SN1987A : autopsie d'une supernova"	given in Renens (Apr. 2017), Divonne-les-Bains (Apr. 2017) Monthey (Sep. 2017)
"Regards croisés : de l'astre à l'image"	given in Geneva (Sep. 2017)
"La vie secrète des étoiles"	given in Geneva (March 2018)
"La recherche en astronomie"	given in Geneva (Aug. 2018), Monthey (Sep. 2019)
"La face cachée de la Lune"	given in Divonne-les-Bains (June 2019)

Events

Concert "Bach parmi les étoiles", Montreux, Dec. 2017

Ciné Versoix: Q&A session after a movie projection

Feb 8 2014	Gravity
Jan 22 2016	The Martian

Féerie d'une nuit: café astro since 2012

February 18, 2020

Publications in peer-reviewed journals

- [1] THE LUMINOSITY FUNCTION OF RED SUPERGIANTS IN M31.
Neugent Kathryn F., Massey Philip, Georgy Cyril, Drout Maria R., Mommert Michael, Levesque Emily M., Meynet Georges, and Ekström Sylvia.
(2020) *ApJ* **889**(1) 44 – arXiv:1911.10638 [[ADS](#)]
- [2] GRIDS OF STELLAR MODELS WITH ROTATION. IV. MODELS FROM 1.7 TO 120 M_{\odot} AT A METALLICITY $Z = 0.0004$.
Groh J. H., Ekström S., Georgy C., Meynet G., Choplin A., Eggenberger P., Hirschi R., Maeder A., Murphy L. J., Boian I., and Farrell E. J.
(2019) *A&A* **627** A24 – arXiv:1904.04009 [[ADS](#)]
- [3] STELLAR MODELS AND ISOCHRONES FROM LOW-MASS TO MASSIVE STARS INCLUDING PRE-MAIN SEQUENCE PHASE WITH ACCRETION.
Haemmerlé L., Eggenberger P., Ekström S., Georgy C., Meynet G., Postel A., Audard M., Sørensen M., and Fragos T.
(2019) *A&A* **624** A137 – arXiv:1903.10550 [[ADS](#)]
- [4] DISAPPEARANCE OF THE EXTENDED MAIN SEQUENCE TURN-OFF IN INTERMEDIATE AGE CLUSTERS AS A CONSEQUENCE OF MAGNETIC BRAKING.
Georgy C., Charbonnel C., Amard L., Bastian N., Ekström S., Lardo C., Palacios A., Eggenberger P., Cabrera-Ziri I., Gallet F., and Lagarde N.
(2019) *A&A* **622** A66 [[ADS](#)]
- [5] ASTEROSEISMOLOGY OF EVOLVED STARS TO CONSTRAIN THE INTERNAL TRANSPORT OF ANGULAR MOMENTUM. I. EFFICIENCY OF TRANSPORT DURING THE SUBGIANT PHASE.
Eggenberger P., Deheuvels S., Miglio A., Ekström S., Georgy C., Meynet G., Lagarde N., Salmon S., Buldgen G., Montalbán J., Spada F., and Ballot J.
(2019) *A&A* **621** A66 – arXiv:1812.04995 [[ADS](#)]
- [6] IMPACT OF BINARY INTERACTION ON THE EVOLUTION OF BLUE SUPERGIANTS. THE FLUX-WEIGHTED GRAVITY LUMINOSITY RELATIONSHIP AND EXTRAGALACTIC DISTANCE DETERMINATIONS.
Farrell E. J., Groh J. H., Meynet G., Kudritzki R., Eldridge J. J., Georgy C., Ekström S., and Yoon S. C.
(2019) *A&A* **621** A22 – arXiv:1810.01830 [[ADS](#)]
- [7] EXTENDED MAIN SEQUENCE TURNOFFS IN OPEN CLUSTERS AS SEEN BY GAIA - I. NGC 2818 AND THE ROLE OF STELLAR ROTATION.
Bastian N., Kamann S., Cabrera-Ziri I., Georgy C., Ekström S., Charbonnel C., de Juan Ovelar M., and Usher C.
(2018) *MNRAS* **480** 3739 – arXiv:1807.10779 [[ADS](#)]
- [8] NON-STANDARD S-PROCESS IN MASSIVE ROTATING STARS. YIELDS OF 10-150 M_{\odot} MODELS AT $Z = 10^{-3}$.
Choplin Arthur, Hirschi Raphael, Meynet Georges, Ekström Sylvia, Chiappini Cristina, and Laird Alison.
(2018) *A&A* **618** A133 – arXiv:1807.06974 [[ADS](#)]
- [9] STAR-PLANET INTERACTIONS. V. DYNAMICAL AND EQUILIBRIUM TIDES IN CONVECTIVE ZONES.
Rao Suvrat, Meynet Georges, Eggenberger Patrick, Haemmerlé Lionel, Privitera Giovanni, Georgy Cyril, Ekström Sylvia, and Mordasini Christoph.
(2018) *A&A* **618** A18 – arXiv:1807.01474 [[ADS](#)]
- [10] QUIESCENT AND ACTIVE PHASES IN BE STARS: A WISE SNAPSHOT OF YOUNG GALACTIC OPEN CLUSTERS.
Granada A., Jones C. E., Sigut T. A. A., Semaan T., Georgy C., Meynet G., and Ekström S.
(2018) *AJ* **155** 50 – arXiv:1712.05209 [[ADS](#)]

- [11] CLOSE BINARY EVOLUTION. II. IMPACT OF TIDES, WIND MAGNETIC BRAKING, AND INTERNAL ANGULAR MOMENTUM TRANSPORT.
Song H. F., Meynet G., Maeder A., Ekström S., Eggenberger P., Georgy C., Qin Y., Fragos T., Soerensen M., Barblan F., and Wade G. A.
(2017) *A&A* **609** A3 – arXiv:1709.01902 [[ADS](#)]
- [12] ARE SOME CEMP-S STARS THE DAUGHTERS OF SPINSTARS?
Choplin A., Hirschi R., Meynet G., and Ekström S.
(2017) *A&A* **607** L3 – arXiv:1710.05564 [[ADS](#)]
- [13] PRE-SUPERNOVA MIXING IN CEMP-NO SOURCE STARS.
Choplin A., Ekström S., Meynet G., Maeder A., Georgy C., and Hirschi R.
(2017) *A&A* **605** A63 – arXiv:1706.05313 [[ADS](#)]
- [14] GW170104 AND THE ORIGIN OF HEAVY, LOW-SPIN BINARY BLACK HOLES VIA CLASSICAL ISOLATED BINARY EVOLUTION.
Belczynski K., Klencki J., Meynet G., Fryer C. L., Brown D. A., Chruslinska M., Gladysz W., O’Shaughnessy R., Bulik T., Berti E., Holz D. E., Gerosa D., Giersz M., Ekstrom S., Georgy C., Askar A., Lasota J.-P., and Wysocki D.
(2017) *CQG* (**submitted**) – arXiv:1706.07053 [[ADS](#)]
- [15] PERIOD-LUMINOSITY RELATIONS OF FAST-ROTATING B-TYPE STARS IN THE YOUNG OPEN CLUSTER NGC 3766.
Saio H., Ekström S., Mowlavi N., Georgy C., Saesen S., Eggenberger P., Semaan T., and Salmon S. J. A. J.
(2017) *MNRAS* **467** 3864 – arXiv:1702.02306 [[ADS](#)]
- [16] STAR-PLANET INTERACTIONS. IV. POSSIBILITY OF DETECTING THE ORBIT-SHRINKING OF A PLANET AROUND A RED GIANT.
Meynet G., Eggenberger P., Privitera G., Georgy C., Ekström S., Alibert Y., and Lovis C.
(2017) *A&A* **602** L7 – arXiv:1706.02234 [[ADS](#)]
- [17] POSSIBLE PAIR-INSTABILITY SUPERNOVAE AT SOLAR METALLICITY FROM MAGNETIC STELLAR PROGENITORS.
Georgy C., Meynet G., Ekström S., Wade G. A., Petit V., Keszthelyi Z., and Hirschi R.
(2017) *A&A* **599** L5 – arXiv:1702.02340 [[ADS](#)]
- [18] A STUDY OF THE EFFECT OF ROTATIONAL MIXING ON MASSIVE STARS EVOLUTION: SURFACE ABUNDANCES OF GALACTIC O7-8 GIANT STARS.
Martins F., Simón-Díaz S., Barbá R. H., Gamen R. C., and Ekström S.
(2017) *A&A* **599** A30 – arXiv:1611.05223 [[ADS](#)]
- [19] CONSTRAINING THE EFFICIENCY OF ANGULAR MOMENTUM TRANSPORT WITH ASTEROSEISMOLOGY OF RED GIANTS: THE EFFECT OF STELLAR MASS.
Eggenberger P., Lagarde N., Miglio A., Montalbán J., Ekström S., Georgy C., Meynet G., Salmon S., Ceillier T., García R. A., Mathis S., Deheuvels S., Maeder A., den Hartogh J. W., and Hirschi R.
(2017) *A&A* **599** A18 – arXiv:1612.04258 [[ADS](#)]
- [20] STELLAR VARIABILITY IN OPEN CLUSTERS. II. DISCOVERY OF A NEW PERIOD-LUMINOSITY RELATION IN A CLASS OF FAST-ROTATING PULSATING STARS IN NGC 3766.
Mowlavi N., Saesen S., Semaan T., Eggenberger P., Barblan F., Eyer L., Ekström S., and Georgy C.
(2016) *A&A* **595** L1 [[ADS](#)]
- [21] MODELS OF ROTATING STARS CONSTRAINED BY ASTEROSEISMIC MEASUREMENTS OF RED GIANTS.
Eggenberger P., Lagarde N., Miglio A., Montalbán J., Ekström S., Georgy C., Salmon S., Meynet G., and Maeder A.
(2016) *Astronomische Nachrichten* **337** 832 [[ADS](#)]
- [22] IMPACT OF ROTATION ON STELLAR MODELS.
Meynet G., Maeder A., Eggenberger P., Ekström S., Georgy C., Chiappini C., Privitera G., and Choplin A.
(2016) *Astronomische Nachrichten* **337** 827 – arXiv:1512.00767 [[ADS](#)]

- [23] HIGH SURFACE MAGNETIC FIELD IN RED GIANTS AS A NEW SIGNATURE OF PLANET ENGULFMENT?
Privitera G., Meynet G., Eggenberger P., Georgy C., Ekström S., Vidotto A. A., Bianda M., Villaver E., and ud-Doula A.
(2016) *A&A* **593** L15 – arXiv:1608.08893 [[ADS](#)]
- [24] A YOUNG CLUSTER WITH AN EXTENDED MAIN-SEQUENCE TURNOFF: CONFIRMATION OF A PREDICTION OF THE STELLAR ROTATION SCENARIO.
Bastian N., Niederhofer F., Kozhurina-Platais V., Salaris M., Larsen S., Cabrera-Ziri I., Cordero M., Ekström S., Geisler D., Georgy C., Hilker M., Kacharov N., Li C., Mackey D., Mucciarelli A., and Platais I.
(2016) *MNRAS* **460** L20 – arXiv:1604.01046 [[ADS](#)]
- [25] ON THE EFFECT OF ROTATION ON POPULATIONS OF CLASSICAL CEPHEIDS. II. PULSATION ANALYSIS FOR METALLICITIES 0.014, 0.006, AND 0.002.
Anderson R. I., Saio H., Ekström S., Georgy C., and Meynet G.
(2016) *A&A* **591** A8 – arXiv:1604.05691 [[ADS](#)]
- [26] S-PROCESS PRODUCTION IN ROTATING MASSIVE STARS AT SOLAR AND LOW METALLICITIES.
Frischknecht U., Hirschi R., Pignatari M., Maeder A., Meynet G., Chiappini C., Thielemann F.-K., Rauscher T., Georgy C., and Ekström S.
(2016) *MNRAS* **456** 1803 – arXiv:1511.05730 [[ADS](#)]
- [27] MASSIVE STAR EVOLUTION IN CLOSE BINARIES. CONDITIONS FOR HOMOGENEOUS CHEMICAL EVOLUTION.
Song H. F., Meynet G., Maeder A., Ekström S., and Eggenberger P.
(2016) *A&A* **585** A120 – arXiv:1508.06094 [[ADS](#)]
- [28] APPARENT AGE SPREADS IN CLUSTERS AND THE ROLE OF STELLAR ROTATION.
Niederhofer F., Georgy C., Bastian N., and Ekström S.
(2015) *MNRAS* **453** 2070 – arXiv:1507.07561 [[ADS](#)]
- [29] IMPACT OF MASS-LOSS ON THE EVOLUTION AND PRE-SUPERNOVA PROPERTIES OF RED SUPERGIANTS.
Meynet G., Chomienne V., Ekström S., Georgy C., Granada A., Groh J., Maeder A., Eggenberger P., Levesque E., and Massey P.
(2015) *A&A* **575** A60 – arXiv:1410.8721 [[ADS](#)]
- [30] POPULATIONS OF ROTATING STARS. III. SYCLIST, THE NEW GENEVA POPULATION SYNTHESIS CODE.
Georgy C., Granada A., Ekström S., Meynet G., Anderson R. I., Wyttenbach A., Eggenberger P., and Maeder A.
(2014) *A&A* **566** A21 – arXiv:1404.6952 [[ADS](#)]
- [31] THE EFFECTS OF STELLAR ROTATION. II. A COMPREHENSIVE SET OF STARBURST99 MODELS.
Leitherer C., Ekström S., Meynet G., Schaerer D., Agienko K. B., and Levesque E. M.
(2014) *ApJS* **212** 14 – arXiv:1403.5444 [[ADS](#)]
- [32] EVOLUTION OF SURFACE CNO ABUNDANCES IN MASSIVE STARS.
Maeder A., Przybilla N., Nieva M.-F., Georgy C., Meynet G., Ekström S., and Eggenberger P.
(2014) *A&A* **565** A39 – arXiv:1404.1020 [[ADS](#)]
- [33] ON THE EFFECT OF ROTATION ON POPULATIONS OF CLASSICAL CEPHEIDS I. PREDICTIONS AT SOLAR METALLICITY.
Anderson R. I., Ekström S., Georgy C., Meynet G., Mowlavi N., and Eyer L.
(2014) *A&A* **564** A100 – arXiv:1403.0809 [[ADS](#)]
- [34] THE EVOLUTION OF MASSIVE STARS AND THEIR SPECTRA I. A NON-ROTATING $60 M_{\odot}$ STAR FROM THE ZERO-AGE MAIN SEQUENCE TO THE PRE-SUPERNOVA STAGE.
Groh J.H., Meynet G., Ekström S., and Georgy C.
(2014) *A&A* **564** A30 – arXiv:1401.7322 [[ADS](#)]
- [35] PROGENITORS OF SUPERNOVA IBC: A SINGLE WOLF-RAYET STAR AS THE POSSIBLE PROGENITOR OF THE SN IB IPTF13BVN.
Groh J.H., Georgy C., and Ekström S.
(2013) *A&A* **558** L1 – arXiv:1307.8434 [[ADS](#)]

- [36] FUNDAMENTAL PROPERTIES OF CORE-COLLAPSE SUPERNOVA AND GRB PROGENITORS: PREDICTING THE LOOK OF MASSIVE STARS BEFORE DEATH.
Groh J.H., Meynet G., Georgy C., and Ekström S.
(2013) *A&A* **558** A131 – arXiv:1308.4681 [ADS]
- [37] GRIDS OF STELLAR MODELS WITH ROTATION. III. MODELS FROM 0.8 TO 120 M_{\odot} AT A METALLICITY $Z = 0.002$.
Georgy C., Ekström S., Eggenberger P., Meynet G., Haemmerlé L., Maeder A., Granada A., Groh J.H., Hirschi R., Mowlavi N., Yusof N., Charbonnel C., Decressin T., and Barblan F.
(2013) *A&A* **558** A103 – arXiv:1308.2914 [ADS]
- [38] EVOLUTION AND FATE OF VERY MASSIVE STARS.
Yusof N., Hirschi R., Meynet G., Crowther P. A., Ekström S., Frischknecht U., Georgy C., Abu Kassim H., and Schnurr O.
(2013) *MNRAS* **433** 1114 – arXiv:1305.2099 [ADS]
- [39] CLOSE-BINARY EVOLUTION. I. TIDALLY INDUCED SHEAR MIXING IN ROTATING BINARIES.
Song H. F., Maeder A., Meynet G., Huang R. Q., Ekström S., and Granada A.
(2013) *A&A* **556** A100 – arXiv:1306.6731 [ADS]
- [40] POPULATIONS OF ROTATING STARS. II. RAPID ROTATORS AND THEIR LINK TO BE-TYPE STARS.
Granada A., Ekström S., Georgy C., Krtićka J., Owocki S., Meynet G., and Maeder A.
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