

Peer-reviewed publications¹

- [1]* El Mellah I., Sundqvist J. O., & Keppens R.
Accretion from a clumpy massive-star wind in Supergiant X-ray binaries (2017) - MNRAS
- [2]* Grinberg V., Hell N., El Mellah I., Neilsen J., Sander A. A. C., Leutenegger M. A., Fürst F., Huenemoerder D. P., Kretschmar P., Kühnel M., Martínez-Núñez S., Niu S., Pottschmidt K., Schulz N. S., Wilms J. & Nowak M. A.
The clumpy absorber in the high mass X-ray binary Vela X-1 (2017) - A&A
- [3]* Xia C., Teunissen J., El Mellah I., Chané E. & Keppens R.
MPI-AMRVAC 2.0 for solar and astrophysical applications (2017) - ApJS
- [4]* El Mellah I. & Casse F.
A numerical investigation of wind accretion in persistent Supergiant X-ray Binaries I - Structure of the flow at the orbital scale (2017) - MNRAS
- [5]* El Mellah I. & Casse F.
Numerical simulations of axisymmetric hydrodynamical Bondi-Hoyle accretion on to a compact object (2015) - MNRAS
- [6] Sanchis-Ojeda R., Rappaport S., Winn J., Kotson M., Levine A., El Mellah I.
A Study of the Shortest-period Planets Found with Kepler (2014) - ApJ
- [7] Rappaport S., Deck K., Levine A., Borkovits T., Carter J., El Mellah I., Sanchis-Ojeda R., Kalomeni B.
Triple-star Candidates among the Kepler Binaries (2013) - ApJ
- [8]* Rappaport S., Levine A., Chiang E., El Mellah I., Jenkins J., Kalomeni B., Kite E. S., Kotson M., Nelson L., Rousseau-Nepton L., Tran K.
Possible Disintegrating Short-Period Super-Mercury Orbiting KIC 12557548 (2012) - ApJ

Proceedings & PhD manuscript

- [9] El Mellah I., Sundqvist J. O., & Keppens R.
Clumpy wind accretion in Supergiant X-ray Binaries (2017)
Proceedings des Journées de la Société française d'Astronomie & d'Astrophysique
- [10] El Mellah I.
Wind accretion onto compact objects (2016)
PhD manuscript
- [11] El Mellah I. & Casse F.
Numerical simulations of axisymmetric Bondi-Hoyle accretion onto a compact object (2015)
Proceedings des Journées de la Société française d'Astronomie & d'Astrophysique

¹The stars indicate the papers in which I made an important contribution.

Conferences & workshops

- Sp 2017 Frontiers of Astrophysical Modeling - KU Leuven (BE)
- Ag 2017 Numerical techniques in MHD simulations - Köln (GE)
- Jl 2017 Journées de la SF2A - Paris (FR)
- Mr 2017 CHARM meeting - Brussels (BE)
- Mr 2017 Stellar winds in massive X-ray binaries (ISSI workshop) - Bern (SW) - **invited**
- Sp 2016 Super-Eddington accretion on compact objects - Arbatax (IT)
- Mr 2015 International school of Computational Astrophysics - Les Houches (FR)
- Jn 2015 Journées de la SF2A - Toulouse (FR)
- Mr 2015 Turbulence, magnetic fields and self organization - Les Houches (FR)

Seminars

- Dc 2017 Radboud University Nijmegen (NL)
- Nv 2017 ESAC, Madrid (SP)
- Sp 2017 LUTh, Observatory of Paris (FR)
- Sp 2016 Aarhus University (DN)
- Ap 2016 APC, Paris 7 University (FR)
- Ap 2016 CmPA, KU Leuven (BE)
- Oc 2015 AIM, CEA (FR)

Posters

- Jn 2017 Clumpy wind accretion in Supergiant X-ray binaries, EWASS, Prague (CZ)
- Dc 2015 Wind accretion onto compact objects, Texas symposium, Geneva (SW)
- Nv 2014 Wind accretion undergoing flip-flop instability, IAP, Paris (FR)