

ExtreMe Matter Institute EMMI

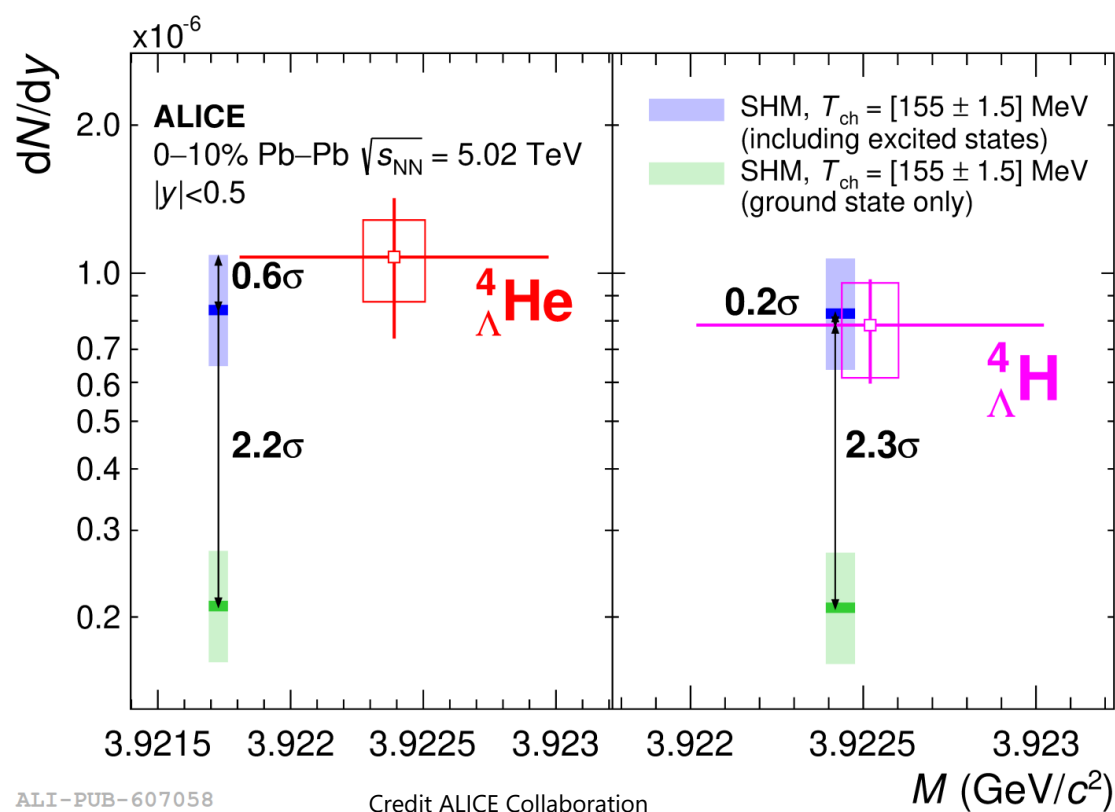
EMMI Workshop

5th Workshop on Anti-Matter, Hyper-Matter and Exotica Production at the LHC

Comune di Salerno, Via Roma – Palazzo di Città, Salerno, Italy
November 10-14, 2025

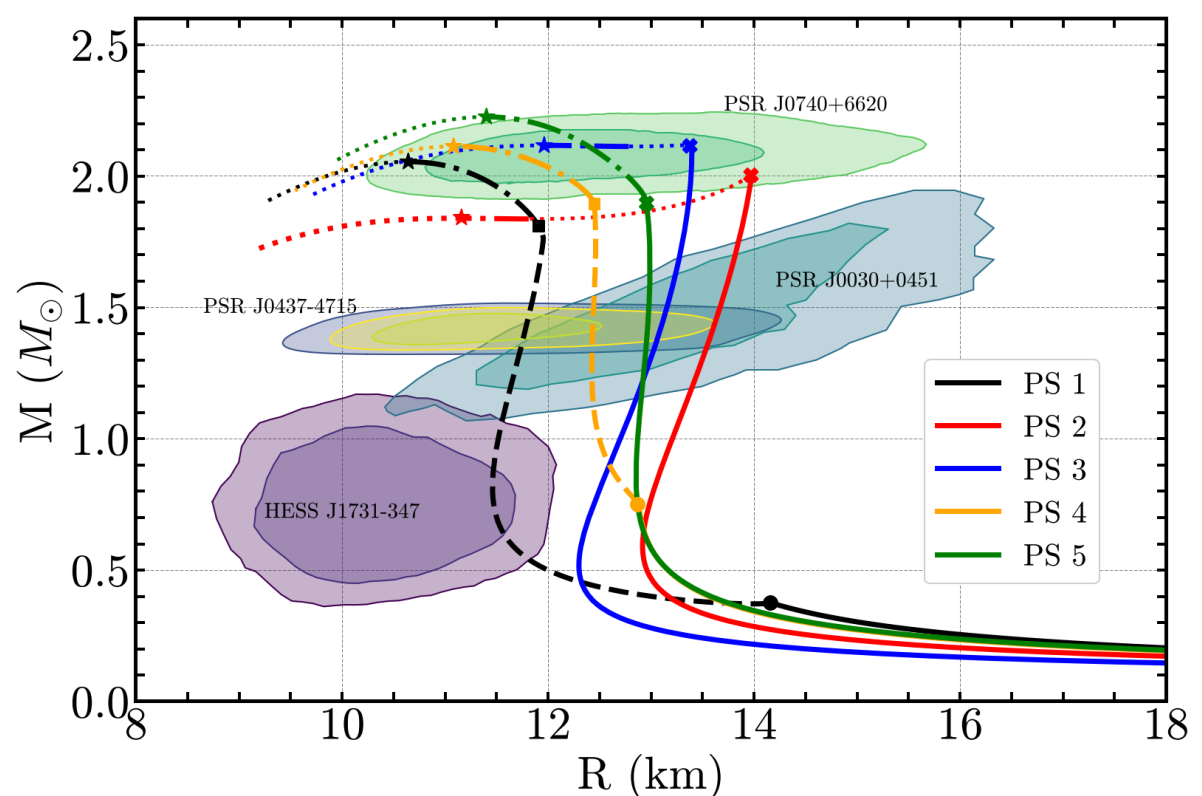
Topics:

- Production of anti-matter in high-energy collisions
- Structure of light nuclei and exotic compounds
- Hypernuclear production and decay
- Hyperon-nucleon and hyperon-hyperon interaction
- Searches for exotic states composed of light and heavy quarks
- Coalescence and thermal model predictions
- Applications in astrophysics, in particular neutron stars and mergers
- Future experimental and theoretical perspectives



ALI-PUB-607058

Credit ALICE Collaboration
Published in Phys. Rev. Lett. 134 (2025) 162301



Credit: Jan-Erik Christian, Ishfaq Ahmad Rather, Hosein Gholami, Marco Hofmann
Comprehensive analysis of constructing hybrid stars with a renormalization group-consistent Nambu-Jona-Lasino model
Published in Astron.Astrophys. 701 (2025) A145

Organizers:

Stefania Bufalino - Politecnico di Torino & INFN
Alberto Calivà - U Salerno & INFN
Benjamin Dönigus - GU Frankfurt
Jürgen Schaffner-Bielich - GU Frankfurt

Website:

<https://indico.gsi.de/event/23172/>

Information:

www.gsi.de/emmi/workshops

More about EMMI:

www.gsi.de/emmi



HELMHOLTZ
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Con il patrocinio del Comune di Salerno
Assessorato alla Pubblica Istruzione



Istituto Nazionale di Fisica Nucleare
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