Plenary sessions include

MG16 Individual awards:
Domenico Christodoulou, Gerard ’t Hooft, Tsvi Piran, Steven Weinberg

MG16 Institutional award: Spectrum-Roentgen-Gamma (SRG) mission to S.A. Lavochkin association, Max Planck Institute for extraterrestrial physics (MPE), Space Research Institute (IKI) of the Russian Academy of Sciences.

Monday: Events in relativistic astrophysics
Speakers: Ruffini R., Sunyaev R., Kramer M., Miller-Jones J., Mirabel F.

Tuesday: Black holes and the Quantum

Wednesday: Lambda CDM tensions
Speakers: Efstathiou G., Scoccola C., Kamionkowski M., Freedman W., Natarajan P., Verde L.

Tuesday: Black holes in GRBs

Precision tests

Friday: Massive stars
Speakers: De Mink S., Langer N., Bicak J., and Ledvinka T., De Mitri I., Moradi R., Cella G.

Physics behind stellar collapse
Speakers: Fryer C., Laguna P., Kaspi V., Zhang B.

Saturday: Current and future missions
Speakers: Yuan W., Tashiro M. S., Liu R., Zhang S-N.

Round tables
Tuesday: New results from SRG/eRosita, Solar neutrinos and Borexino; Wednesday: Precision cosmology; Friday: GRB170817A; Saturday: What is in our Galactic center?

Public lectures
Mizoghan R., Gadik A., Bagheri M., Halzen F.

Parallel sessions

Chandra X-ray image of GRB170817A at 110 days
Credit: NASA/CXC/M.Weiss

The Marcel Grossman Meetings
Since 1975, the Marcel Grossman Meetings have been organized in order to provide opportunities for discussing recent advances in gravitation, general relativity and relativistic field theories, emphasizing mathematical foundations, physical predictions and experimental tests. The objective of these meetings is to elicit exchange among scientists that may deepen our understanding of space-time structures as well as to review the status of ongoing experiments aimed at testing Einstein’s theory of gravitation and relativistic field theories either from the ground or from space. Previous meetings have been held in Trieste (1975) and (1979), Shanghai (1982), Rome (1985), Perth (1988), Kyoto (1991), Stanford (1994), Jerusalem (1997), Rome (2000), Rio (2003), Berlin (2006), Paris (2009), Stockholm (2012) and Rome (2015-2018). Interested scientists should address a member from any one of the organizing committees or the conference secretariat.

International organizing committee

Local organizing committee