



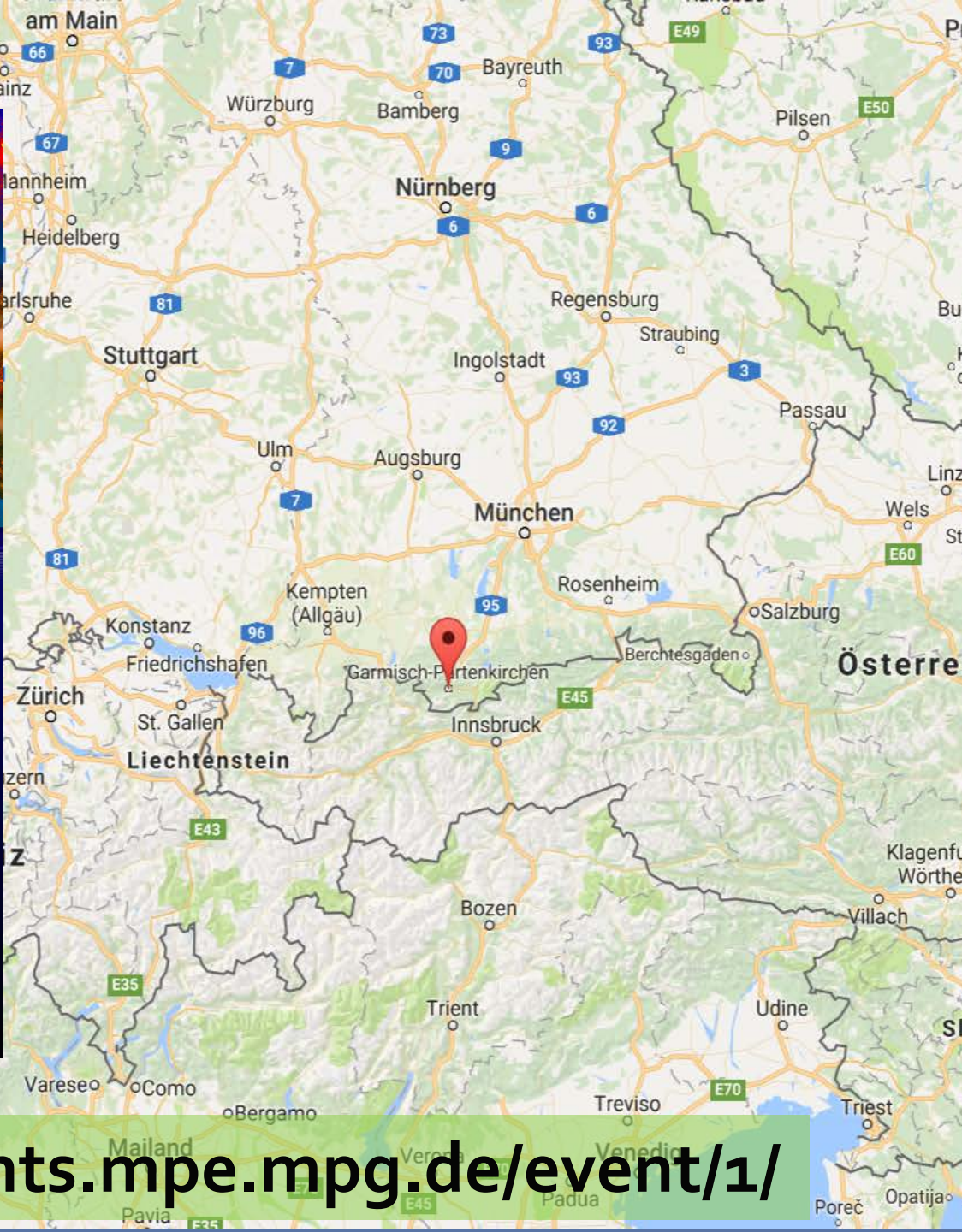
The seventh symposium will feature the substantial progress made with the Pass 8 data release of the Fermi Gamma-ray Space Telescope concerning our understanding of the high-energy gamma-ray Universe, and its close connection to the many astrophysics topics in the multi-wavelength and multi-messenger era.

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7th International Fermi Symposium



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7th International Fermi Symposium

Garmisch-Partenkirchen, Germany
15-20 October 2017

Scientific Organizing Committee

- Bruce Allen (AEI Hannover)
- John Beacom (OSU)
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- Filippo Corbelli (ASDC Rome)
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- Nir Shaviv (Tel-Aviv)
- Tadayuki Takahashi (ISAS)
- Stefan Wagner (LSW Heitberg)
- Colleen Wilson-Hodge (NSF)

Topics include:

- Earth to Heliosphere
- Pulsars
- Central Galaxy & Dark Matter
- SGR, PSN and stellar sources
- Galactic Diffuse & Cosmic Rays
- AGN, GRBs & Transients
- Extragalactic diffuse & Background Light
- Multi-messenger particle astrophysics
- Future gamma ray satellite missions

Local Organizing Committee

- Brigitte Butler (MPE)
- Michael Burgess (MPE)
- Sifano Ciprini (ASDC Rome)
- Stefan Jank (Ume Erlangen)
- Jochen Greiner (MPE, chair)
- Elena Moretti (MPP)
- Elena Orlando (Stanford)
- Daniil Panegau (MPP)
- Andrey Strong (MPE)
- Andreas von Kienlin (MPE)

Contacts

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 Web: events.mpe.mpg.de/fermi2017
fermi.gsfc.nasa.gov/dco/08/09/symposium2017/



<https://events.mpe.mpg.de/event/1/>

Suggestions for discussion

“particle acceleration in γ -ray binaries and Crab flares”

Well-timed day (Tanabata today!) for discussing particle acceleration!



Suggestions for discussion

“particle acceleration in γ -ray binaries and Crab flares”

We don't know much, so we assume/suppose/speculate/hypothesize.

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“particle acceleration in γ -ray binaries and Crab flares”

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- Do we understand particle acceleration at all? Yes → done. lunch.
Well...whatever → cont.
No → lunch

Suggestions for discussion

“particle acceleration in γ -ray binaries and Crab flares”

- Is there an intersection between the two? If yes, where?
 - ☞ associating PSRs J0537-6910 & J0540-6919 with Crab flare energetics problem
 - ☞ associating LMC P₃ with diversity in γ -ray binary
- Where do we expect more profound progress from?
 - archetypal object (uniqueness problem)
 - or population diversity?
- Which processes to consider seriously? Which one to put aside safely/potentially? (mind Occam's Razor!)
- Location, location, location!
 - Do we know for sure? (robust theory?)
 - Do we assume to know?