Panel Discussion and TMEP workhop

Idea to conclude NUSYM2024 with a kind of round-table or panel discussion to recapitulate important results showni in this meeting and to discuss challenges for the future.

Take place in a session after lunch 14:00-16:00h.
The subjects of the meeting with respect to the nuclear symmetry energy are grouped into four main categories, namely nuclear structure, heavy ion collisions, astrophysical observations and constraints, microscopic many-body results

- For each of these subjects one panelist is chosen, a kind of summary speaker for this subject.
  presentation should take not more than about 15 min.
- After this the audience can ask questions or make statements on their own opinions. The total time for discussing each subject should be about 30 min. Very informal.

1. nuclear structure: **Marek Ploszcajczak**
2. heavy ion collisions: **Maria Colonna**
3. astrophysical observations and constraints: **Peter Tsang**
4. microscopic many-body results: **Fiorella Burgio**

(many thanks to these people to agree to take on this task on very short notice.)

Workshop of the TMEP (transport model evaluation project) collaboration:

Start after the coffee break on Friday afternoon, 16:30h
with 3 talks
Giuseppe Verde: Challenges for correlation measurements for EoS studies at GSI and FRIB energies
Maria Colonna: Fluctuations in transport simulations
Dan Cozma: Results of homework of box calculation with momentum dependent pot

Saturday, Sep. 14, 9:00h

Discussions of possible new projects/homeworks within the TMEP collaboration,introduced and discussed by the possible leaders of these homeworks.

i) **Comparison of HICs with realistic ingredients:** with mom-dep potentials, threshold effects and a sensitivity study to the symmetry energy, including pion and possibly kaon observables. (**Dan Cozma**)
ii) **Description of cluster production** (esp. light clusters) in transport. (**Rui Wang**)
iii) **Uncertainty quantification of transport model results. (Zhen Zhang)**
iv) **Microscopic input of mean fields and medium cross sections** (e.g. from xEFT) in transport.
(Desirable, a leader not yet identified).

Everybody is very welcome to participate in this workshop.