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# Lights and (some) shadows in the comparison among experimental data of heavy ion collisions at Fermi energies and the dynamical model AMD.

The simulation of heavy ion collisions in the Fermi energy region is a challenge for the theoretical models; in particular it is difficult to obtain a coherent description working in all the impact parameter range and to reproduce all the experimental observables. In this contribution we will show the very good job done by the dynamical model AMD [1] followed by the statistical code GEMINI [2] as an afterburner. The model is able to reproduce the main characteristics of peripheral and semiperipheral collisions, although some discrepancies still persist.

[1] A.Ono et al., Phys. Rev. Lett. 68, 2898 (1992).
[2] R. J. Charity, Phys. Rev. C 82, 014610 (2010).

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