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Direct photon production in heavy-ion collisions at NICA and FAIR energies

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We present calculations of direct photon yield in Au-Au collisions at center of mass energies between 5 and 11 GeV which are anticipated at future NICA and FAIR facilities. The calculations are based on UrQMD package with hybrid approach for description of the evolution of the collision and parameterizations of thermal radiation from electromagnetic interactions in hadron gas and quark-gluon plasma. The feasibility studies of direct photon measurements in MPD with ECal will be discussed.

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