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Midrapidity Hyperon Production in pp and pA Collisions from Low to LHC Energies

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The experimental data on p, Lambda, Xi-, Omega- baryons and the corresponding antibaryons spectra obtained by different experimental collaborations are compared to results of the calculations performed into the frame of the Quark-Gluon String Model. The contributions of String Junction diffusion, and the inelastic screening corrections are accounted for. The predictions for pp and pA collisions up to the LHC energies are presented.

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