

Jorge Dias de Deus (1941-2021)

Science in the Republic

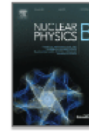


Capture the Physics phenomena in a few parameters



Nuclear Physics B

Volume 59, Issue 1, 13 August 1973, Pages 231-236



Geometric scaling, multiplicity distributions and cross sections

J. Dias De Deus

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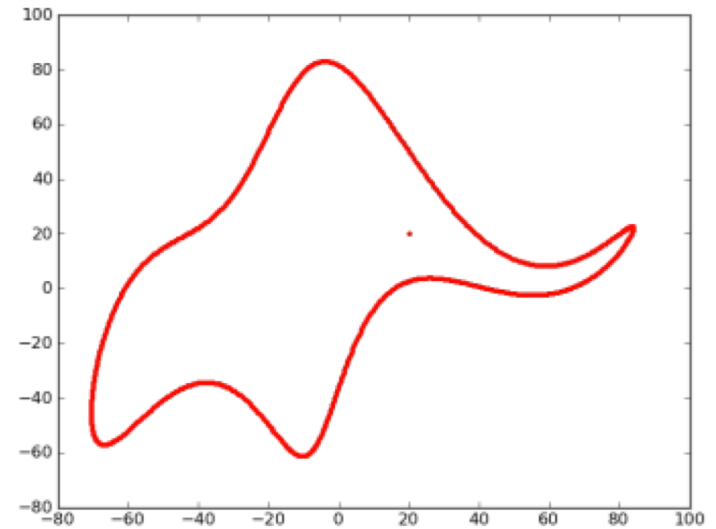
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Abstract

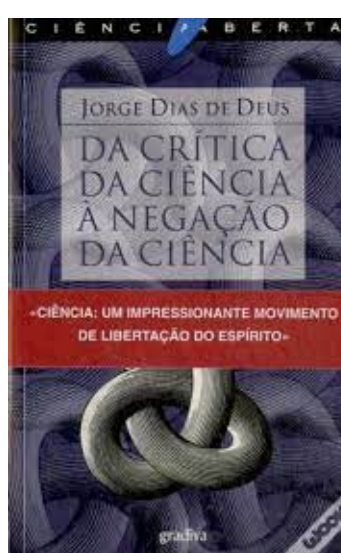
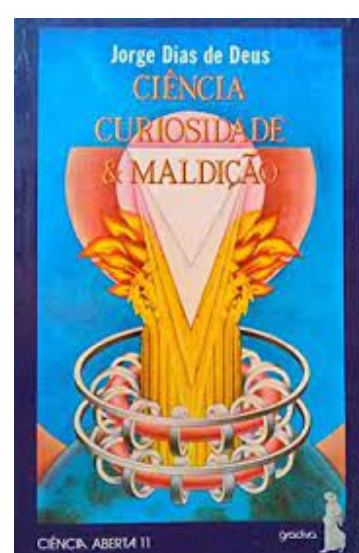
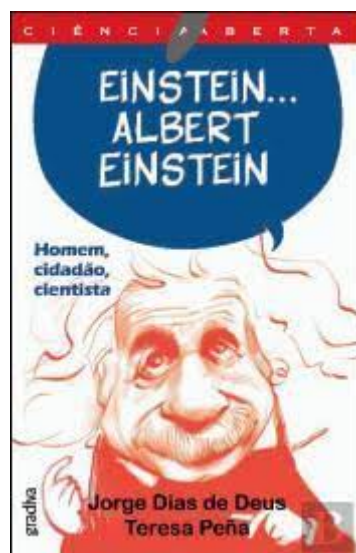
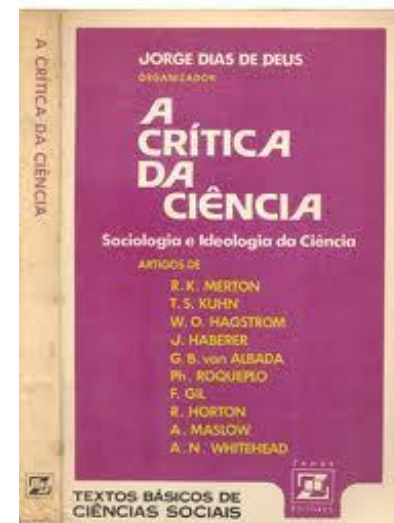
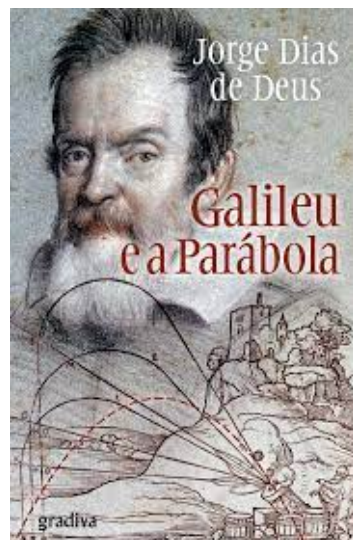
From a geometric picture of hadrons as extended objects we arrive at some universal features of high energy collisions. In this approach the mean multiplicity, as a function of s , and the KNO scaling function are universal, and asymptotically the ratio $\sigma_{\text{elastic}}/\sigma_{\text{total}}$ is expected to be the same for all processes.



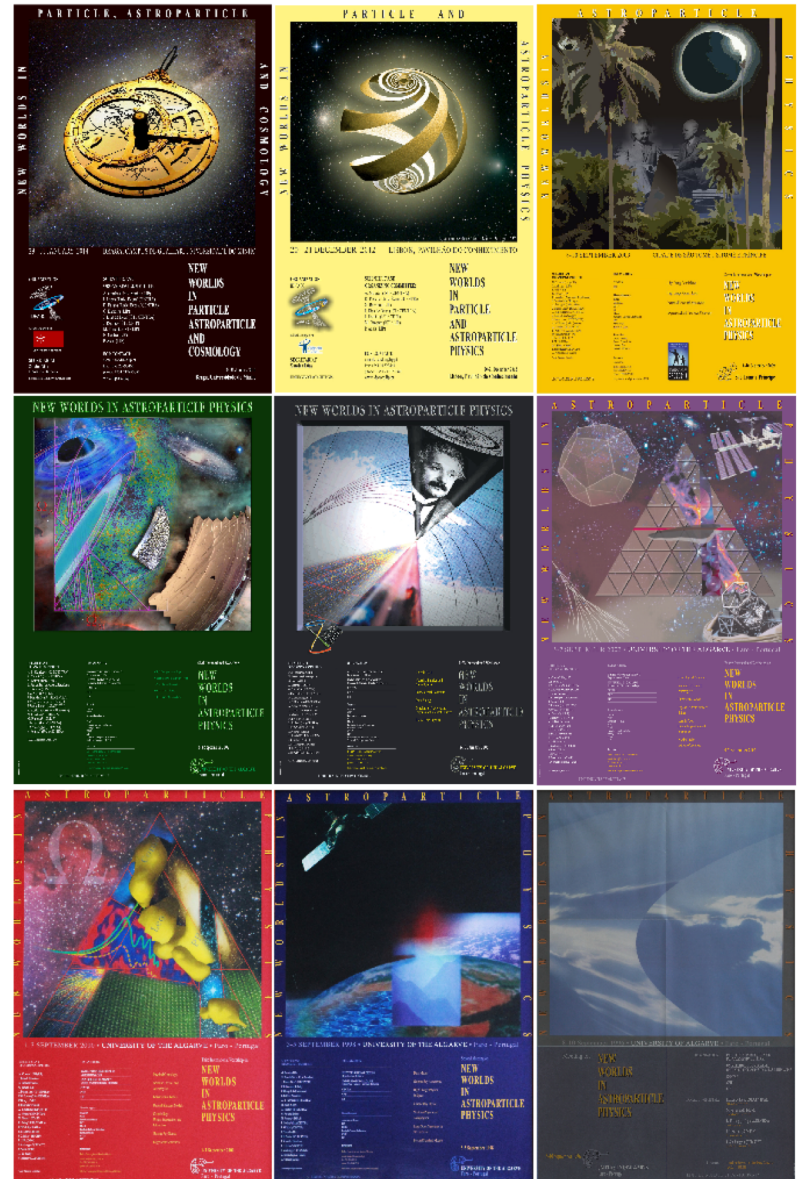
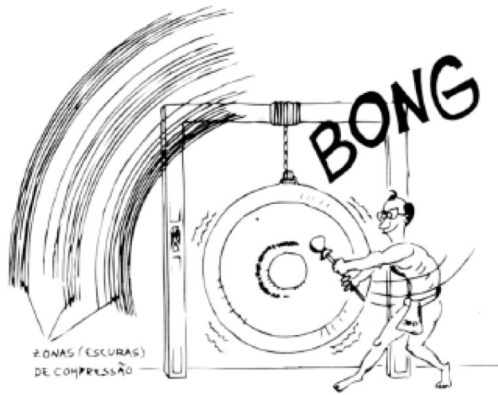
Jurgen Mayer

An elephant with 4
(complex) parameters

A keen popularizer of physics



A Teacher and a builder of Communities



A Friend always
with time to
listen and help!

