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Subject: [SOLVED]generate rho0->pi+pi- but found the rho0 has no width  
Posted by [Xinying Song](#) on Thu, 02 Jun 2016 13:15:20 GMT

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when I simulate the process  $g + P \rightarrow P + \eta'$ ,  $\eta' \rightarrow \rho^0 + \gamma$ ,  $\rho^0 \rightarrow \pi^+ \pi^-$ , but found that the width of rho0 particle is 0. the eta' does not have width either.

I don't know why.

The rho0 mass pic mpipi.eps and the generating script are in the attachment.

### File Attachments

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- 1) [sim\\_eta\\_p\\_rho.C](#), downloaded 714 times
  - 2) [mpipi.eps](#), downloaded 669 times
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