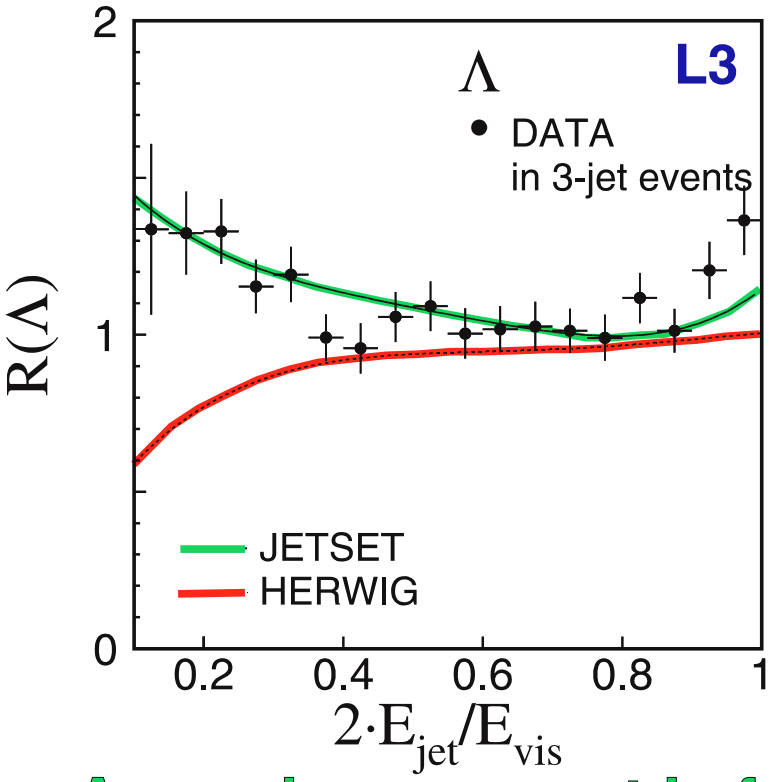
comparison of Λ production with charged particles

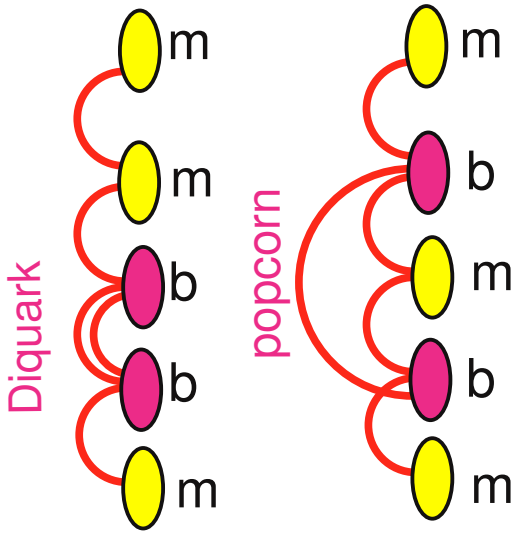
Relative rate of Λ to that of charged particles according to the JET energy within three-jet events:

$$R(\Lambda) = \frac{\frac{<\Lambda>_{per\ jet}}{<N_{ch}>_{per\ jet}}}{\frac{<\Lambda>_{total}}{<N_{ch}>_{total}}}$$



JETSET

- Good agreement with DATA thanks to diquark production and "popcorn" processes.



A good agreement is found with JETSET

- The enhancement for the lowest energetic jets is reproduced by JETSET with a diquark fragmentation function softer than for quarks.
- The slight enhancement of the highest energetic jets is qualitatively reproduced by "popcorn" processes which are favoured with the increase of quark production

The disagreement seen with HERWIG is related to the reduced phase space for strange quark production.

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