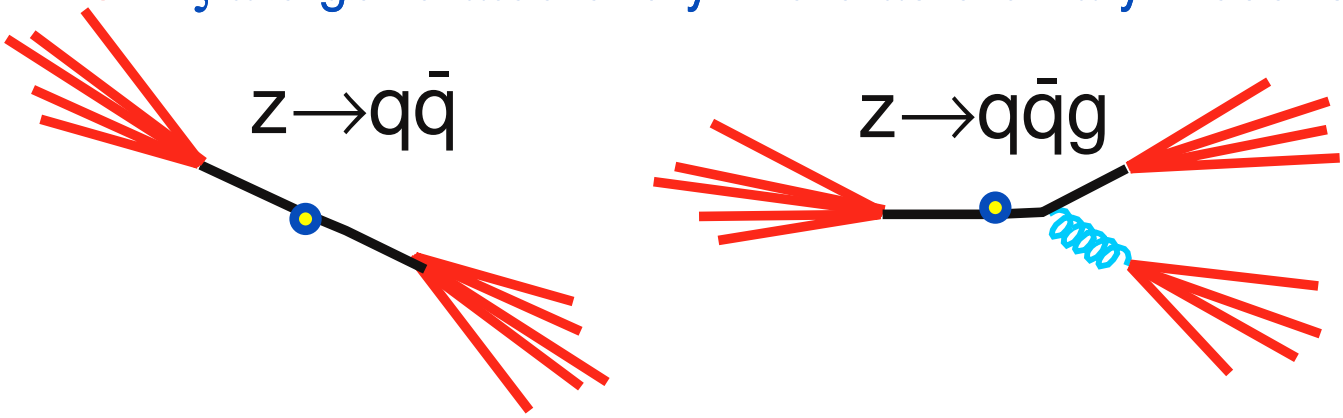
Where are produced the ξ(2230) ?

The signal is mainly seen in the less energetic jets (enriched gluon jet sample). Does that mean that it is preferentially issued from gluon fragmentation?.

To estimate the proportion of signal coming from quark and gluon fragmentation, two Monte Carlo event samples have been generated. Both are based on JETSET.

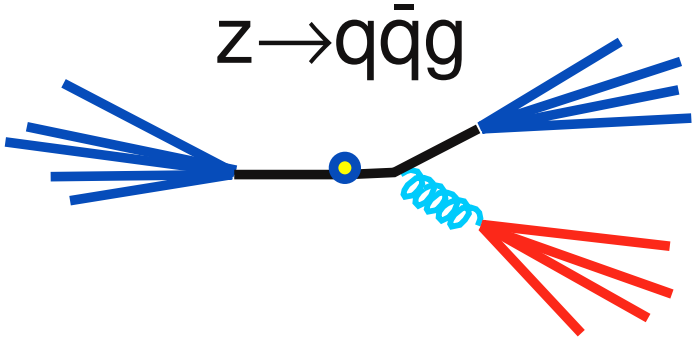
MC I: ξ are generated everywhere as ordinary mesons



2-jet evt : 3-jet evt
1 : 1.3

Jet 1: jet 2 : jet 3
1 : 1 : 1

MC II: ξ are generated only from the fragmentation of a primary gluon.



2-jet evt : 3-jet evt
1 : 3.2

Jet 1: jet 2 : jet 3
1 : 2 : 4

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