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different CFD models were used with respect to the modelling of turbulent dispersion and the use of certain drag correlation. The particles rope is largely not disintegrated along the vertical pipe when the turbulent dispersion force is not included (Fig. 7c), which is not consistent with experimental observation. This is different from the horizontal and vertical pneumatic conveying, where spatial distributions of solids concentrations remain nearly the same whether turbulent ...CFD simulation of dilute-phase pneumatic conveying of ...The use of a pneumatic conveying technique for the transportation of drill cuttings within and from offshore drill rigs is a new and challenging research field at present. In addition to experimental techniques,

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