

***Interactive comment on “Indoor/outdoor relationships of quasi-ultrafine, accumulation and coarse mode particles in school environments in Barcelona: chemical composition and sources” by M. Viana et al.***

**Anonymous Referee #1**

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The discussion paper is of high scientific quality. The presented data include size distributions (quasi-ultrafine, accumulation and coarse fractions) of major and trace PM components for a number of schools in Barcelona. Indoor and outdoor exposures are examined, while the obtained results are used in order to identify main indoor and outdoor sources. The paper is well organized and contains sound explanations and conclusions, based on an extensive experimental data set.

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