Contribution ID: **18** Type: **not specified**

8/ 7 [Karin Schaller] Mirror symmetry constructions for quasi-smooth Calabi-Yau hypersurfaces in weighted projective spaces

We consider a general combinatorial framework for constructing mirrors of quasi-smooth Calabi-Yau hypersurfaces defined by weighted homogeneous polynomials. Our mirror construction shows how to obtain mirrors being Calabi-Yau compactifications of non-degenerate affine hypersurfaces associated to certain Newton polytopes. This talk is based on joint work with Victor Batyrev.