## Restricted-type estimates on the Bergman projection

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**Abstract:** We obtain (weighted) restricted-type estimates for the Bergman projection operator on monomial polyhedra, a class of domains generalizing the Hartogs triangle. A restricted-type estimate is an estimate in the  $L^p$ -norm on an operator, which however holds only on characteristic functions. From these restricted-type estimates, we recapture  $L^p$ -boundedness results of the Bergman projection on these domains. On some monomial polyhedra, we show that the Bergman projection could fail to be of weak type  $(q_*, q_*)$ , where  $q_*$  denotes the right end-point of the interval of boundedness of the Bergman projection. This is joint work with Zhenghui Huo of Duke Kunshan University.