1041-11-142 **Jeffrey D. Achter*** (`j.achter@colostate.edu`), Department of Mathematics, Colorado State University, Fort Collins, CO 80523-1874. *Split reductions of simple abelian varieties.* Preliminary report.

Let X/K be an absolutely simple abelian variety over a number field. Murty and Patankar conjecture that whether or not almost all reductions X_p are simple depends only on whether the absolute endomorphism ring $\mathrm{End}_{\overline{K}}(X)$ is commutative. I'll explain a proof of much of this conjecture, together with an effective upper bound for the number of primes of non-simple reduction. More generally, I'll discuss relations between $\mathrm{End}(X)$ and $\mathrm{End}(X_p)$. (Received August 08, 2008)