**Reporter 1.** According to the sign convention discussion in subsection 2.1 of my paper vector bundle  $\mathcal{E}$  is ample/nef iff  $\mathcal{O}_W(1)$  is ample/nef on  $W := \mathbb{P}(\mathcal{E}^{\vee})$ for the dual  $\mathcal{E}^{\vee}$  (one can see this from the Hirsch formula by restricting to generic curve on S). This is a standard notational abuse (which I tried to stress on in Remark 2.2). Let me repeat that there is no canonical choice for  $\pi$  a priori, hence for  $\mathcal{O}_W(1), \pi_*\mathcal{O}_W(1)$ , etc. – these are defined a posteriori by  $K_W$ , Hirsch-type relations and other intrinsic properties of W (it is unfortunate tradition to assume that there is a natural choice for  $\pi$  – aka of local trivialization for  $\mathcal{E}$ ).<sup>1)</sup>

By the same sign convention any  $\mathcal{E} \otimes \mathcal{O}_S(D)$  is ample/nef iff  $\mathcal{O}_W(1)$  is this on  $W := \mathbb{P}(\mathcal{E}^{\vee} \otimes \mathcal{O}_S(D))$  (any  $D \in \operatorname{Pic} S$ ). The latter is because  $\mathcal{E}, \pi$  are fixed, and the group  $\pi^* A^1(S)$  does not change under any (non-canonical) isomorphisms  $\mathbb{P}(\mathcal{E}) \simeq \mathbb{P}(\mathcal{E}^{\vee}) \simeq \mathbb{P}(\mathcal{E}^{\vee} \otimes \mathcal{O}_S(D))$  over S.

When applied to  $\mathcal{E} \otimes \mathcal{O}_S(\frac{n-1}{2}K_S)$  we find that  $-K_W$  being nef is not controversial: for instance  $\mathcal{E}^{\vee} \otimes \mathcal{O}_S(\frac{n-1}{2}K_S)$  has positive degree (also one can not simply dualize the sequence (2.3) in my paper to obtain a surjection of  $\mathcal{E}^{\vee} \otimes \mathcal{O}_S(\frac{n-1}{2}K_S)$  onto a negative sheaf).

<sup>&</sup>lt;sup>1)</sup>As for Chern classes, most naturally they are defined (by Chern) for *complex* vector bundles in terms of curvature tensor, its Weil polynomials, and so on.