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## Correction: Global diabatic potential energy surfaces for the $\text{BeH}_2^+$ system and dynamics studies on the $\text{Be}^+(^2\text{P}) + \text{H}_2(\text{X}^1\Sigma_g^+) \rightarrow \text{BeH}^+(\text{X}^1\Sigma^+) + \text{H}(^2\text{S})$ reaction

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 Correction for 'Global diabatic potential energy surfaces for the  $\text{BeH}_2^+$  system and dynamics studies on the  $\text{Be}^+(^2\text{P}) + \text{H}_2(\text{X}^1\Sigma_g^+) \rightarrow \text{BeH}^+(\text{X}^1\Sigma^+) + \text{H}(^2\text{S})$  reaction' by Zijiang Yang *et al.*, *RSC Adv.*, 2018, 8, 22823–22834.

The editorial office regrets that eqn (5)–(7) are shown incorrectly in the original manuscript. The corrected equations are shown below.

$$\langle \psi_3^a | \hat{P} | \psi_1^a \rangle = \langle \psi_3^a | \hat{P} | \phi_1^d \rangle \cos \alpha + \langle \psi_3^a | \hat{P} | \phi_2^d \rangle \sin \alpha \quad (5)$$

$$\langle \psi_3^a | \hat{P} | \psi_2^a \rangle = -\langle \psi_3^a | \hat{P} | \phi_1^d \rangle \sin \alpha + \langle \psi_3^a | \hat{P} | \phi_2^d \rangle \cos \alpha \quad (6)$$

$$\alpha = \arctan \left[ \left| \frac{\langle \psi_3^a | \hat{P} | \psi_1^a \rangle}{\langle \psi_3^a | \hat{P} | \psi_2^a \rangle} \right| \right] \quad (7)$$

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

