

**TABLE 2** Chosen hyperparameter combinations.

Hyperparameter	DNN <sub>FeFeB</sub>	DNN <sub>FeFeB-Fe</sub>
# nodes for hidden layers	120, 108, 96, 84, 72, 60	100, 100, 100, 100
batch size	32	32
activation function	ReLu	ELU
optimizer	Adamax	Adamax
learning rate	10 <sup>-3</sup>	10 <sup>-3</sup>
# epochs	400	1500
preprocessing method	StandartScaler	StandartScaler
regularization function	None	None
weight initializer	Xavier Normal	Xavier Normal